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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJG 528-2015

Replacing JJG 528-2004

**Mobile Radar Vehicle Speed Measurement Devices
(English Translation)**

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7.5 Test cycle (5)

Appendix A real traffic situation under complete on-site verification velocity error sample (6)

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Introduction

JJF1002 "national verification procedures write rules", JJF1001 "common measurement terms and definitions" JJF1059.1 "Evaluation and Expression of Uncertainty in Measurement" basic Regulation constitute series support this protocol revision Fan. The main reference JJF1335-2012 "fixed angle radar speedometer type evaluation framework", JJG 1074-2012 "Motor vehicle laser gun" and other technical specifications.

This procedure is a revised version of JJG 528-2004. Compared with JJG 528-2004, in addition to editorial revision Outside the main technical changes are as follows.

- Clear the order applies to mobile vehicle radar gun (see 1);
- Canceled subsequent assays test site speed error;
- Increased in real traffic situation to normal with the completion of the field test object vehicle speed error detection Given method (see 7.3.4);
- Increased under Appendix A complete site's traffic speed error status test sample.

The previous versions of this Recommendation published case.

- JJG 528-2004 "motor vehicle radar gun."
- JJG 528-1988 "hand-held radar gun." Mobile vehicle radar gun verification procedures

1 Scope

The order applies to the application of the principle of the Doppler effect to measure the speed of a motor vehicle with mobile radar vehicle Speedometer initial verification, use and subsequent verification check.

2. References

JJG 1074-2012 vehicle laser gun JJF1335-2012 fixed angle radar speedometer type evaluation outline GB/T 21255-2007 vehicle speedometer for dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 Terms

3.1 mobile vehicle radar gun mobileraradarvehiclespeedmeasurementdevice Refers to user requirements can be placed in different radar detected position of the vehicle traveling speed values were measured Speed instrument.

3.2 Radar simulation test device simulatorforradarspeedmeasuringdevice for continuous microwave signal receiving radar gun fired, and transmits analog speed corresponding to the set value Dhoop Special testing equipment Le microwave signal.

3.3 site speed standard device standardspeed-measuringdeviceforfieldtest for measuring

the motor vehicle by the vehicle stationary radar gun detection zone with the speed special testing equipment.

3.4 analog standard speed value simulating speed Radar speed verification device provides analog values.

3.5 analog tachometer error simulating speed measurement error Mobile vehicle radar gun speed measurements and analog standard speed value absolute error.

3.6 site speed error field test speed measurement error at the same time and at the same location, mobile vehicle radar gun with field guns standard device (or standard Speedometer) for the same measured vehicle speed measurement error.

4 Overview

Mobile vehicle radar gun can be placed on both sides of the road users' needs, based on the principle of the Doppler effect the detection area with the vehicle running speed of real-time values, automatic measurement.

Mobile vehicle radar gun typically comprises radar antenna, a signal processing unit and the speed of the display unit, for Motor vehicle with automatic recording of images and other relevant information should be equipped with speedometer image recording apparatus.